

## **Proposed Marshfield Municipal Airport – George Harlow Field Capital Improvement Projects**

### **Reconstruct Apron, Taxilanes, and Access Road (2023) TO COMPLY WITH VARIANCE CONDITION BY MA DEP:**

The purpose of this project is to address the Variance Order of Conditions issued by MassDEP on June 1, 2012, during the permitting process for 2014 reconstruction of Runway 6-24 and safety area project. The Variance Order of Conditions requires the Airport to address MassDEP Land Uses With Higher Potential Pollutant Loads (LUHPPL) runoff within the apron and taxilane areas. Addressing this DEP permitting condition was originally not budgeted for in the design of the runway reconstruction and safety area project, however, the MassDEP allowed the Airport to complete the runway improvement project subject to future FAA funding availability to address this order of condition. This project will result in cleaner and safer stormwater runoff being released into the surrounding environment.

The construction of the existing aprons and taxilanes were completed prior to the implementation of current standards for stormwater runoff. Re-design, grading changes, and underground infrastructure improvements for processing LUHPPL runoff will require reconstruction of all pavements in the area slated for improvements. The project will also address LUHPPL runoff by incorporating to the maximum extent practicable the installation of the following Structural Best Management Practices as outlined in the MassDEP Stormwater Handbook:

- Additional Deep sump catch basins
- Water Quality Structures
- Additional Catch Basin Hoods
- Sediment Forebays
- Vegetative Filter Strips

The proposed project does not include areas which were improved during the 2014 runway and safety area reconstruction project. The project is currently in the design and permitting stage, under a separate FAA/MassDOT grant. There will be public hearings associated with the permitting, and further details on the specific design of the proposed improvements once that phase of the project is complete. **Estimated total project cost is \$6,703,667 with the Airport Commission leveraging 95% FAA/ MA DOT Grant Funds (subject to grant approval) funding 95% and the Town funding 5% local share of \$326,850**

### **Airport Master Plan Update (AMPU) (2025)**

The Airport's last Master Plan was last prepared in 2006, over 15 years ago. The FAA and MADOT Aeronautics require airports to update their Master Plan to ensure that any maintenance, safety or infrastructure projects take current standards, regulations, and things like emerging technology into consideration. **A Master Plan update is planned for 2025 with a total anticipated cost of \$480,000, with the Airport Commission leveraging 95% FAA/ MA DOT Grant Funds (subject to grant approval) and the Town funding 5% local share of \$24,000**

### **Funding and Granting**

The majority of the funding being requested (\$326,850) is to meet the MassDEP variance condition that was not anticipated by the airport or FAA as part of the budget for the runway safety improvements. FAA budget constraints did not allow for this project to be incorporated into the runway safety improvements at that time. The FAA has indicated that they anticipate funding support will be available for this project in 2023, although there is no guarantee of funding until the grant application has been submitted and approved. The grant application cannot be submitted without certifying that the local share match will be available. The Town will be leveraging 95% of outside funding for both of the proposed projects as follows:

- FAA - 90% funding      State - 5% funding      Town – 5% funding

Current estimated budget (to be updated as part of ongoing design/permit/bid project)

			<b>Funding Breakdown</b>		
<b>Year</b>	<b>Projects</b>	<b>Total Cost</b>	<b>FAA</b>	<b>State</b>	<b>Airport</b>
2023	LUHPPL - Reconstruct Main Terminal Apron (Approx. 13,255 SY)	\$3,147,000	\$2,832,300	\$157,350	\$157,350
2023	LUHPPL - Reconstruct Taxilanes (Approx. 9,056 SY)	\$1,820,000	\$1,638,000	\$91,000	\$91,000
2023	LUHPPL - Reconstruct Access Road (Approx. 1,040 SY; 520' x 18')	\$350,000	\$315,000	\$17,500	\$17,500
2023	LUHPPL - Reconstruct East Ramp for Displaced Aircraft (5K SY)	\$1,220,000	\$1,098,000	\$61,000	\$61,000
2025	Airport Master Plan Update	\$480,000	\$432,000	\$24,000	\$24,000
	<b>TOTALS</b>	<b>\$7,183,667.00</b>	<b>\$6,465,300.00</b>	<b>\$359,183.00</b>	<b>\$350,850</b>